

REMARKS/ARGUMENTS

Request for Continued Examination:

5 The applicant respectfully requests continued examination of the
above-indicated application as per 37 CFR 1.114.

Amendments to the Claims:

10 Claims 1, 2, 5, 7, 8, 11, 13 and 17 have been amended to more clearly define
the invention scope in which the memory management method determines the type or
the location of the decoded macroblock and the motion vector of the macroblock is
stored according to the determined type or location. Claims 19-21 are added
according to the amendments made to claims 1, 7 and 13. As the amendments are
fully supported by specification paragraphs [0047], [0057], [0068]-[0070] and
Figures 12-14, no new matter is introduced. Consideration of above-identified
15 amendments is respectfully requested

Claim Rejections – 35 USC 103

20 Claims 1-2, 6-8, 12-13, and 16-18 are rejected under 35 U.S.C. 103(a) as being
unpatentable over Hawkins et al. (Hawkins) US 6,519,287 B1.

Response:

Claim 1

25 According to the amended claim 1, the claimed memory management method
determines a type of the first macroblock, and stores at least one motion vector of
the first macroblock in the first or the second memory space **according to the type of**
the first macroblock. That is, the storing of motion vector varies with the determined
type of the first macroblock. However, after reading throughout Hawkins' disclosure,
applicant points out that Hawkins only considers one kind of macroblock which is
subdivided into four 8x8 pixel blocks and each 8x8 pixel block has its own motion
30 vector associated with it. As Hawkins fails to mention that the macroblock can have
other types and the type of the macroblock needs to be determined before motion

vector storage is initiated, applicant asserts that neither the claimed type
determination nor the claimed motion vector storage according to the determined type
is taught or suggested by Hawkins. The claimed memory management method of
claim 1 is therefore not obvious to a person having ordinary skill in the art when
5 referring to Hawkins' disclosure. The applicant therefore asserts that the amended
claim 1 has overcome the rejections under 35 U.S.C. 103 (a), and placed in condition
for allowance.

Claims 2 and 6

10 Claims 2 and 6 are dependent upon claim 1, and should be allowed if claim 1
is found allowable.

Claim 7

15 Referring to the above response of claim 1, the applicant asserts that the
claimed limitations '**determining a type** of the first macroblock' and 'storing at least
one motion vector of the first macroblock in the first or the second memory space
according to the type of the first macroblock' are neither taught nor suggested by
Hawkins. Therefore the applicant asserts that the amended claim 7 has overcome the
rejections under 35 U.S.C. 103 (a), and placed in condition for allowance.

20

Claims 8 and 12

 Claims 8 and 12 are dependent upon claim 7, and should be allowed if claim 7
is found allowable.

25 Claim 13

 Claim 13 discloses a memory management method that **determines a
location and a type** of a first macroblock, and stores at least one motion vector of the
first macroblock in the first or the second memory space in a memory unit of the N
memory units **according to the type and the location** of the first macroblock. As
30 Hawkins fail to teach or suggest that the macroblock can have other types and the
type and location of the macroblock determine the storage means of the motion

vectors, the applicant asserts that the amended claim 13 has overcome the rejections under 35 USC 103 (a), and placed in condition for allowance.

Claims 16-18

5 Claims 16-18 are dependent upon claim 13, and should be allowed if claim 13 is found allowable.

 Claims 3-5, 9-11, 14, and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hawkins et al. (Hawkins) US 6,519,287 B1 in view of Kondon et
10 al. (Kondon) US 7,116,372 B2.

Response:

 Claims 3-5, 9-11, and 14-15 are dependent upon claims 1, 7, and 13 respectively, and should be allowed if claims 1, 7, and 13 are found allowable.
15

Patentability of New Claims 19-21:

 Both Hawkins and Kondo are silent on the determination of the macroblock type or location, and are silent on storing the motion vector(s) of the macroblock according to the type or location of the macroblock. Moreover, the limitation defining that the
20 first macroblock comprises only one first motion vector is neither taught nor suggested by Hawkins and Kondo, alone or in combination. The applicant therefore asserts that the newly added claims 19-21 are patentable over the cited references. In addition, claims 19, 20 and 21 are dependent upon claims 1, 7 and 13 respectively, and should be allowed if claims 1, 7, and 13 are found allowable.

25

Conclusion:

 Based on the above arguments, the applicant respectfully submits that all of the rejections set forth in the Office Action dated 04/17/2008 have been overcome and the pending claims are now in condition for allowance. If a telephone conference
30 would facilitate the prosecution of this application, the Examiner is invited to contact the undersigned Applicant's representative at the number indicated below.

Sincerely yours,



Date: 07/16/2008

5 Winston Hsu, Patent Agent No. 41,526
P.O. BOX 506, Merrifield, VA 22116, U.S.A.
Voice Mail: 302-729-1562
Facsimile: 806-498-6673
e-mail : winstonhsu@naipo.com

10

Note: Please leave a message in my voice mail if you need to talk to me. (The time in D.C. is 12 hours behind the Taiwan time, i.e. 9 AM in D.C. = 9 PM in Taiwan.)



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/710,722	07/30/2004	Hui-Hua Kuo	MTKP0087USA	4721
27765	7590	07/07/2008		
NORTH AMERICA INTELLECTUAL PROPERTY CORPORATION			EXAMINER	
P.O. BOX 506			HOLDER, ANNER N	
MERRIFIELD, VA 22116				
			ART UNIT	PAPER NUMBER
			2621	
			NOTIFICATION DATE	DELIVERY MODE
			07/07/2008	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

winstonhsu.uspto@gmail.com
Patent.admin.uspto.Rcv@naipo.com
mis.ap.uspto@naipo.com.tw

Interview Summary	Application No.	Applicant(s)	
	10/710,722	KUO ET AL.	
	Examiner	Art Unit	
	ANNER HOLDER	2621	

All participants (applicant, applicant's representative, PTO personnel):

(1) ANNER HOLDER. (3) Tung Vo.

(2) Jim Long. (4) _____.

Date of Interview: 24 June 2008.

Type: a) ☒ Telephonic b) ☐ Video Conference
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.
If Yes, brief description: _____.

Claim(s) discussed: 1,2,7,8 and 13.

Identification of prior art discussed: Hawkins et al US 6,519,287 B1.

Agreement with respect to the claims f) ☐ was reached. g) ☐ was not reached. h) ☒ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Reference Hawkins reads upon the claim limitations of 1-2, 7-8, and 13. No specific agreement was reached.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

/Tung Vo/
Primary Examiner, Art Unit 2621

Examiner's signature, if required